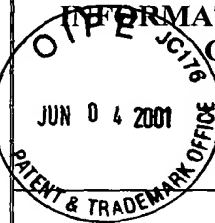


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Sub -	Sorin, W.V. et al, "Phase Velocity Measurements using Prism Output for Single and Few-Mode Fibers", <i>Optics Letters</i> , Feb. 1986, Vol. 11, No. 2, pp. 106-108						
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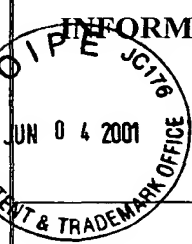
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<i>Bunt</i>	Koh, Y.W. et al, "Strain Effects on Two Mode Fiber Gratings", <i>Optics Letters</i> , Apr. 1, 1993, Vol. 18, No. 7, pp. 497-499						
<i>Bunt</i>	Yun, S.H. et al, "All-fiber Tunable Filter and Laser based on Two-mode Fiber", <i>Optics Letters</i> , Jan. 1996, Vol. 21, No. 1, pp. 27-29						
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<i>Bunt</i>	Hwang, I.K. et al, "Long-period fiber gratings based on periodic microbends", <i>Optics Letters</i> , Sept. 15, 1999, Vol. 24, No. 18, pp. 1263-1265						
<i>Bunt</i>	Yun, S.H. et al, "Dynamic Erbium-Doped Fiber Amplifier Based on Active Gain Flattening with Fiber Acoustooptic Tunable Filters", <i>IEEE Photonics Technology Letters</i> , Oct. 1999, Vol. 11, No. 10, pp. 1229-1231						
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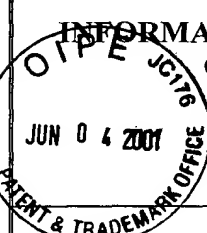
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<b>Sub -</b>	Blake, J.N. et al, "All-Fiber Acousto-Optic Frequency Shifter using Two-Mode Fiber", <i>Proceedings of the SPIE Fiber Optic Gyros</i> , Sept. 1986, Vol. 719, pp. 92-100						
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<b>Sub -</b>	Engan, H.E. et al, "Optical Frequency Shifting in Two-Mode Optical Fibers by Flexural Acoustic Waves", <i>IEEE 1986 Ultrasonics Symposium</i> , Nov. 17-19, 1986, pp. 435-438						
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<b>Sub -</b>	Kim, B.Y. et al, "Few-Mode Fiber Devices", <i>OFS '88, New Orleans, Louisiana</i> , Jan. 27-29, 1988, pp. 146-149, (Invited Paper)						
<b>Sub -</b>	Kim, B.Y. et al, "Fiber-Optic Device Research at Stanford University", <i>Proceedings SPIE, Fiber Optic and Laser Sensors, Boston Massachusetts</i> , Sept. 5-7, 1989, Vol. 1169, pp. 10-15, (Invited Paper)						
<b>Sub -</b>	Kim, B.Y. et al, "Few-Mode Fiber Devices", <i>ICOESE '90, Beijing, China</i> , Aug. 1990, Vol. 2, pp. 146-149, (Invited Paper)						
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<b>Sub -</b>	Yun, S.H. et al, "All-Fiber Acousto-Optic Tunable Filter", <i>OFC '95, San Diego, California</i> , Feb. 26-Mar. 3, 1995, pp. 186-187						
<b>Sub -</b>	Yun, S.H. et al, "Electronically Tunable Fiber Laser Using All-Fiber Acousto-Optic Tunable Filter", <i>IOOC '95 (10<sup>th</sup> International Conference on Integrated Optics and Optical Fibre Communication) Hong Kong</i> , June 26-30, 1995, pp. 22-23						
<b>Sub -</b>	Yun, S.H. et al, "Polarization Dependence of Two-Mode Fiber-Acousto-Optic Device", <i>OFS-11, Sapporo, Hokkaido, Japan</i> , May 21-24, 1996, pp. 478-481						
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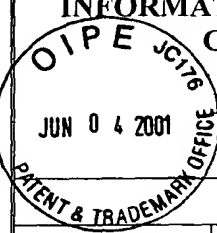
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<b>Bult</b>	Jeon, M.Y. et al, "Harmonically Mode-Locked Fiber Using an All-Fiber Acousto-Optic Tunable Filter", <i>OFC '97, Dallas, Texas</i> , Feb. 16-22, 1997, pp. 166-167						
<b>Bult</b>	Yun, S.H. et al, "Wavelength -swept Fiber Laser with Frequency-Shifted Feedback", <i>OFC '97, Dallas, Texas</i> , Feb. 16, 1997, pp. 30-31						
<b>Bult</b>	Kim, H.S. et al, "Single-Mode-Fiber Acousto-Optic Tunable Notch Filter", <i>2<sup>nd</sup> Optoelectronics &amp; Communications Conference '97</i> , July 8-11, 1997, pp. 226-227						
<b>Bult</b>	Yun, S.H. et al, "Fiber grating sensor array demodulation using wavelength-swept fiber laser", <i>OFS-12, Williamsburg, Virginia</i> , Oct. 28-31, 1997						
<b>Bult</b>	Hwang, I.K. et al, "All-fiber nonreciprocal comb filter with wavelength tunability", <i>OFC '98, ThQ5, San Jose, USA</i> , Feb. 22-27, 1998, pp. 336-338						
<b>Bult</b>	Kim, H.S. et al, "Dynamic gain equalization of erbium-doped filter amplifier with all-fiber-acousto-optic tunable filters", <i>OFC '98, WG4, San Jose, USA</i> , Feb. 22-27, 1998, pp. 136-138						
<b>Bult</b>	Koh, Y.W. et al, "Broadband Polarization-Insensitive All-Fiber Acousto-Optic Modulator", <i>OFC '98, WM50, San Jose, USA</i> , Feb. 22-27, Vol. 2, pp. 239-240						
<b>Bult</b>	Oh, K. et al., "Characterization of elliptic core fiber acousto-optic tunable filters operated in the single mode and the multi-mode range", <i>OFC '98, WM59, San Jose, USA</i> , Vol. 2, pp. 250-251						
<b>Bult</b>	Yun, S.H. et al, "Generation of self-starting mode-locked pulses in wavelength-swept fiber lasers", <i>CLEO/IQEC '98, San Francisco, USA</i> , May 3-8, 1998						
<b>Bult</b>	Hwang, I.K. et al, "Long-Period Gratings based on Arch-induced Microbends", <i>OECC '98, Chiba, Japan</i> , July 12-16, 1998, pp. 144-145						
<b>Bult</b>	Kim, B.Y. et al, "Fiber Based Acousto-Optic Filters", <i>OFC/IOOC '99, San Diego, USA</i> , Feb. 21-26, 1999, pp. 199-201, (Invited Paper)						
<b>Bult</b>	Hwang, I.K. et al, "Profile-controlled long-period fiber gratings based on microbends", <i>OFC/IOOC '99, San Diego, California</i> , Feb. 21-26, 1999, pp. 177-179						
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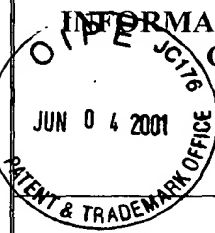
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BMT	Kim, B.Y., "Acousto-optic Components for WDM Applications", <i>IEEE/LEOS Summer Topical Meetings, San Diego, USA</i> , July 26-28, 1999, pp. 47-48, (Invited Paper)						
BMT	Kim, B.Y., "Acousto-optic filters for fiber systems", <i>ICO-128, San Francisco, USA</i> , Aug. 2-6, 1999, pp. 92-93, (Invited Paper)						
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BMT	Risk, W.P. et al, "Acousto-optic frequency shifting in birefringent fiber", <i>Optics Letters</i> , 1984, Vol. 9, No. 7, pp. 309-311						
BMT	Birks, T.A. et al, "Four-port fiber frequency shifter with a null tapre coupler", <i>Optics Letters</i> , 1994, Vol. 19, No. 23, pp. 1964-1966						
BMT	Berwick, M. et al, "Coaxial optical-fiber frequency shifter", <i>Optics Letters</i> , Feb. 15, 1992, Vol. 17, No. 4, pp. 270-272						
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BMT	Culverhouse, D.O. et al, "Low-loss all-fiber acousto-optic tunable filter", <i>Optic Letters</i> , 1997, Vol. 22, No. 2, pp. 96-98						
BMT	Dimmick, T.E. et al, "Compact all-fiber acoustooptic tunable filters with small bandwidth-length product", <i>IEEE Photonics Technology Letters</i> , Sept. 2000, Vol. 12, No. 9, pp. 1210-1212						
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<b>BWH</b>	Kakarantzas, G. et al, "High strain-induced wavelength tunability in tapered fibre acousto-optic filters", <i>Electronics Letters</i> , July 6, 2000, Vol. 36, No. 14, pp. 1187-1888						
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<b>BWH</b>	Birks, T.A. et al, "Control of bandwidth in fiber acousto-optic tunable filters and other single-mode null coupler devices", <i>Lasers and Electro-Optics, 1997</i> , 1997, Vol. 11, pp. 444-445						
<b>BWH</b>	Culverhouse, D.O. et al, "40-MHz all-fiber acoustooptic frequency shifter", <i>IEEE Photonics Technology Letters</i> , Dec. 1996, Vol. 8, No. 12, pp. 1636-1637						
<b>BWH</b>	Birks, T.A. et al, "The acousto-optic effect in single-mode fiber tapers and couplers", <i>Journal of Lightwave Technology</i> , Nov. 1996, Vol. 14, No. 11, pp. 2519-2529						
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<b>BWH</b>	Zayer, N.K. et al, "In situ ellipsometric monitoring of growth of zinc oxide thin films with applications to high-frequency fiber acousto-optic components", <i>Lasers and Electro-Optics, 1998. CLEO '98</i> , 1998, pp. 251-252						
<b>BWH</b>	Pannell, C.N. et al, "In-fiber and fiber-compatible acoustooptic components", <i>Journal of Lightwave Technology</i> , July 1995, Vol. 13, No. 7, pp. 1429-1434						
<b>BWH</b>	Abdulhalim, I. et al, "Acoustooptic in-fiber modulator acoustic focusing", <i>IEEE Photonics Technology Letters</i> , Sept. 1993, Vol. 5, No. 9, pp. 999-1002						
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<u>BWA</u>	Huang, D.W. et al, "Q-switched all-fiber laser with an acoustically modulated fiber attenuator", <i>IEEE Photonics Technology Letters</i> , Sept. 2000, Vol. 12, No. 9, pp. 1153-1155						
<u>BWA</u>	Huang, D.W. et al, "Reflectivity-tunable fiber Bragg grating reflectors", <i>IEEE Photonics Technology Letters</i> , Feb. 2000, Vol. 12, No. 2, pp. 176-178						
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<u>BWA</u>	Patterson, D.B. et al, "Frequency shifting in optical fiber using a Saw Horn", <i>Ultrasonics Symposium</i> , 1990, 1990, Vol. 2, pp. 617-620						
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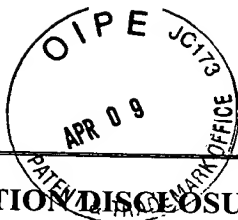
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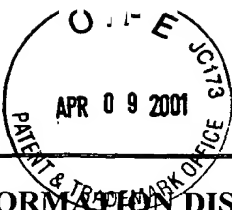
<b>INFORMATION DISCLOSURE CITATION</b>  <b>PTO-1449</b>		ATTY. DOCKET NO. 21501-729		SERIAL NO. Unassigned <b>09/81146</b>		
		APPLICANT Sorin				
		FILING DATE 03/12/01		GROUP <del>Unassigned</del> <b>2874</b>		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
<b>SMH</b>	J.N. Blake, B.Y. Kim, H.E. Engan, and H.J. Shaw, "Analysis of intermodal coupling in a two-mode fiber with periodic microbends", Opt. Lett., vol. 12, 281-283 (1987).					
<b>SMH</b>	B.Y. Kim, J.N. Blake, H.E. Engan, and H.J. Shaw, "Acousto-optic frequency-shifting in two-mode optical fibers", OFS '86, Tokyo, Japan (October 8-10, 1986).					
<b>SMH</b>	H.E. Engan, B.Y. Kim, J.N. Blake, and H.J. Shaw, "Propagation and optical interaction of guided acoustic waves in two-mode optical fibers", Journal of Lightwave Technology, vol. 6, 428-436 (1988).					
<b>SMH</b>	J.O. Askautrud and H.E. Engan, "Fiberoptic frequency shifter with no mode change using cascaded acousto-optic interaction regions", Opt. Lett., vol. 15, 649-651 (1990).					
<b>SMH</b>	H.E. Engan, T. Myrtveit, and J.O. Askautrud, "All-fiber acousto-optic frequency shifter excited by focused surface acoustic waves", Opt. Lett., vol. 16, 24-26 (1991).					
<b>SMH</b>	H.E. Engan, D. Östling, P.O. Kval, and J.O. Askautrud, "Wideband operation of horns for excitation of acoustic modes in optical fibers", Proc. OFS(10), Glasgow, 11th - 13th Oct. 1994, 568-571 (SPIE Proc. 2360).					
<b>SMH</b>	D. Östling and H.E. Engan, "Narrow-band acousto-optic tunable filtering in a two-mode fiber", Opt. Lett., vol. 20, 1247-1249 (1995).					
<b>SMH</b>	H.E. Engan, "Analysis of polarization mode coupling by acoustic torsional waves in optical fibers", J. Opt. Soc. Am. A., vol. 13, 112 - 118 (1996).					
<b>SMH</b>	D. Östling and H.E. Engan: "Spectral flattening by an all-fiber acousto-optic tunable filter", 1995 IEEE Ultrasonics Symposium, 837 - 840.					
<b>SMH</b>	D. Östling and H.E. Engan: "Broadband spatial mode conversion by chirped fiber bending", Opt. Lett., vol. 21, 192 - 194 (1996).					
<b>SMH</b>	D. Östling and H.E. Engan: "Polarization-selective mode coupling in two-mode Hi-Bi fibers", Journal of Lightwave Technology, vol. 15, 312-320 (1997).					
<b>SMH</b>	D. Östling, B. Langli, and H.E. Engan: "Intermodal beat lengths in birefringent two-mode fibers", Opt. Lett., vol. 21, 1553 - 1555 (1996).					
EXAMINER <b>B. Healy</b>		DATE CONSIDERED <b>2/20/03</b>				

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		FILING DATE 03/12/01		GROUP <del>Unassigned</del> 287f	
<b>U.S. PATENT DOCUMENTS</b>					
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS FILING DATE
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					YES NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
Burt	H.E.Engan, "Acoustic torsional waves used for coupling between optical polarization modes in optical fibers", 1996 IEEE Ultrasonics Symposium, 799-802				
Burt	D. Östling and H.E. Engan: "Acousto-optic tunable filters in two-mode fibers", Optical Fiber Technology, vol. 3, 177 - 183 (1997).				
Burt	B. Langli, P. G. Sinha and K. Bløtekjær, "Acousto-Optic Mode Coupling of Partially Coherent Light in Two-Mode Fibers", Optical Review, Vol.4, No.1A, pp.121-129, Jan./Feb. 1997.				
Burt	T.A. Birks, P.S.J. Russell and C.N. Pannell, "Low power acousto-optic device based on a tapered single-mode fiber", IEEE Photonics Technol. Lett., vol. 6, p. 725 - 727 (1994).				
Burt	M. Berwick and D.A. Jackson, "Coaxial optical-fiber frequency shifter", Opt. Lett., vol. 17, 270-272 (1992)				
Burt	J. Blake and P. Siemsen, "Practical compact high performance fiber-optic frequency shifter", Proc. 9 <sup>th</sup> OFS Conference, Firenze, pp. 301 - 304 (1993).				
Burt	W. P. Risk, G. S. Kino and H. J. Shaw, "Fiber-optic frequency shifter using a surface acoustic wave incident at an oblique angle", Optics Letters, Vol. 11, No. 2, pp 115-117, 1986.				
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Burt	Yijiang Chen, "Acousto-optic frequency shifter using coaxial fibers", Optical and Quant. Elect., vol. 21, pp. 491 - 498 (1989).				
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						YES	NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
BWH	J. Ji, D. Uttam and B. Culshaw, "Acousto-optic frequency shifting in ordinary single-mode fibre", Electronics Letters, Vol. 22, No. 21, pp 1141-1142, 1986.						
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